

CLAIMS

- 5 1. A method of introducing chemicals into an aqueous industrial process comprising the steps of:
- providing an open container that is constructed of white paperboard;
- depositing dry chemicals for the industrial process into the container;
- depositing dry sodium benzoate into the container in an amount such
- 10 that the aqueous industrial process will have a concentration of sodium benzoate in the range of 1-10% by weight;
- closing the container with a cover that is constructed of white paperboard;
- depositing the closed container into a vat containing an aqueous solution.
- 15 2. A method as set forth in claim 1 wherein the following additional step is performed:
- depositing dry potassium sorbate into the open container in an amount such that the aqueous industrial process will have a concentration of
- 20 potassium sorbate in the range of 0.05% to 1.0%.
3. The method as set forth in claim 1 wherein the aqueous industrial process is a process for repulping inked paper.
- 25 4. The method of repulping inked paper as set forth in claim 3 wherein the following additional step is performed:
- depositing dry potassium sorbate into the open container in an amount such that the aqueous industrial process will have a concentration of
- 30 potassium sorbate in the range of 0.05% to 1.0%.

5. The method for repulping inked paper as set forth in claim 3 wherein the vat is a paper pulper containing an aqueous solution of inked paper.
- 5 6. The method for repulping inked paper as set forth in claim 3 wherein the dry chemicals that are deposited into the container for the industrial process are repulping and deinking chemicals.
- 10 7. The method for repulping inked paper as set forth in claim 5 wherein the dry chemicals that are deposited into the container for the industrial process are repulping and deinking chemicals.
- 15 8. The method of improving the industrial usefulness of water by increasing its electrical conductivity comprising the step of adding sodium benzoate to the water in an amount that the solution has a sodium benzoate concentration in the range of 1-10% by weight.
- 20 9. The method of improving the industrial usefulness of water as set forth in claim 1 comprising the following additional step:
adding potassium sorbate, in a range of 0.05% to 1.0%, to the solution.
- 25 10. The method of preventing the rust of metal by the following steps:
providing a solution of water having a concentration of sodium benzoate in the range of 1-10%;
immersing the metal in the solution.
- 30 11. The method of preventing the rust of metal as set forth in claim 10 comprising the following additional step:
adding potassium sorbate, in a range of 0.05% to 1.0%, to the solution.

12. The method of preventing the rust of metal by the following steps:
- providing a solution of water having a concentration of sodium benzoate in the range of 1-10%;
- 5 coating the metal with the solution having a concentration of sodium benzoate in the range of 1-10%.
13. The method of preventing the rust of metal by the following steps:
- 10 providing a solution of water having a concentration of sodium benzoate of about 1%, and an acrylic coating of about 1%;
- coating the metal with the solution having a concentration of sodium benzoate of about 1%, and an acrylic coating of about 1%.
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14. The method of preventing the rust of metal by the following steps:
- providing a solution of water having a concentration of sodium benzoate in the range of 1-10%, and an acrylic coating in the range of 1-10%;
- 20 coating the metal with the solution having a concentration of sodium benzoate in the range of 1-10% and acrylic coating in the range of 1-10%.
15. The method of preventing the formation of mold on organic substances comprising the following steps:
- 25 providing a solution of water having a concentration of sodium benzoate in the range of 1-10%;
- coating the organic substance with the substance.
16. The method of preventing the formation of mold on an organic substances comprising the following steps:
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providing a solution of water having a concentration of sodium benzoate in the range of 1-10% and corn starch or corn syrup in a concentration of 1-10%;

coating the organic substance with the solution.

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17. The method of preventing offensive odors from forming on organic substances comprising the following steps:

providing a solution of water having a concentration of sodium benzoate of about 10%;

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coating the organic substance with the solution.

18. The method of preventing the formation of offensive odors from organic substances comprising the following steps:

providing a solution of water having a concentration of sodium benzoate of about 10% and starch in the range of 1-10%;

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coating the organic substance with the solution.

19. The method of preventing the formation of mold in a soft drink containing organic matter comprising the following steps:

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providing a solution of water having a concentration of sodium benzoate of about 30%;

mixing the solution of water having a concentration of sodium benzoate of about 30% to the soft drink at of ratio of solution to drink in the range of 1 to 10-20.

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20. The method of stopping the growth of a plant comprising the following steps:

providing a solution of water having a concentration of sodium benzoate in the range of 1-10%;

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coating the plant with the solution having a concentration of sodium benzoate in the range of 1-10%.

21. The method of stopping the growth of a plant comprising the following steps:
- 5 providing a solution of water having a concentration of sodium benzoate in the range of 1-10% and a concentration of starch in the range of 1-10%;
- coating the plant with the solution having a concentration of sodium benzoate in the range of 1-10% and starch in the range of 1-10%.
22. The method of impeding the growth of a plant comprising the following steps:
- 10 providing a solution of water having a concentration of sodium benzoate in the range of 1-10%;
- coating the plant with the solution having a concentration of sodium benzoate in the range of 1-10%.
- 15 23. The method of impeding the growth of a plant comprising the following steps:
- providing a solution of water having a concentration of sodium benzoate in the range of 1-10% and a concentration of starch in the range of 1-10%;
- 20 coating the plant with the solution having a concentration of sodium benzoate in the range of 1-10% and starch in the range of 1-10%.
24. The method of increasing the shelf life of seafood comprising the following steps:
- 25 providing a solution of water having a concentration of sodium benzoate in the range of 0.1-1%;
- coating the seafood with the solution having a concentration of sodium in the range of 0.1-1%;
- 30 maintaining the coated seafood at a temperature of 1-2° Centigrade.

25. The method of increasing the shelf life of seafood comprising the following steps:

providing a solution of water having a concentration of sodium benzoate in the range of 0.1-1%;

5 placing the seafood with the solution having a concentration of sodium benzoate in the range of 0.1-1%;

freezing the solution having a concentration of sodium benzoate in which the seafood has been placed;

10 maintaining the frozen solution containing the seafood in a frozen state until the seafood is to be consumed;

thawing the frozen solution containing the seafood.